

To: Mark S CIV USARMY MEDCOM PHC Johnson|EX. 6 - Personal Privacy
From: Kelly, Jack (R3 Phila.)
Sent: Tue 4/8/2014 12:37:05 PM
Subject: Re: 4-MCHM in Air

Mark.

Thank you!!! All day meeting. Will get back to you when I can.

From: Johnson, Mark S CIV USARMY MEDCOM PHC (US) EX. 6 - Personal Privacy
Sent: Monday, April 7, 2014 8:40:49 AM
To: Kelly, Jack (R3 Phila.)
Cc: Resta, John J CIV USARMY MEDCOM PHC (US)
Subject: RE: 4-MCHM in Air

Jack,

Here is the OEL we came up with. We may be able to do a more precise value if we could get the refined data from the 28d study (no numbers were provided top model the benchmark dose).

Hope it is helpful to you.

v/r

Mark S. Johnson, Ph.D, D.A.B.T.
Director, Toxicology Portfolio
Army Institute of Public Health
US Army Public Health Command
5158 Blackhawk Rd. ATTN: MCHB-IP-THE
Aberdeen Proving Ground, MD 21010-5403
T: EX. 6 - Personal Privacy
F:

-----Original Message-----

From: Kelly, Jack (R3 Phila.) [mailto:Kelly.Jack@epa.gov]
Sent: Thursday, March 20, 2014 12:48 PM
To: Johnson, Mark S CIV USARMY MEDCOM PHC (US)
Subject: FW: 4-MCHM in Air

Below FYI. Still working on this. Stay tuned.....

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

215-514-6792 (cell)

215-814-3112 (office)

From: Kelly, Jack (R3 Phila.)

Sent: Thursday, March 20, 2014 12:46 PM
To: Sayles, Gregory
Cc: Dinan, Janine; Burns, Francis
Subject: RE: 4-MCHM in Air

Greg, thanks for getting back to me.

As of now I am available next week except 2 to 3 pm on Wednesday. Let me think about who else might be on the call.

I can certainly provide background on the issue, why we made this request.

If this looks like it may be a problem or will take a great deal of time, did you know that Mark Johnson of the US Army Public Health Institute has offered to assist? They seem very interested in doing so. I have their interim final Technical Guide for setting Occupational Exposure Levels (OEL).I would think any OEL result for MCHM could be amended for a public health value by manipulating exposure variables. Would you like to speak with him? I know HQ wanted to try in-house first but a discussion with Mark might be useful.

Below is Mark's affiliation information:

Mark S. Johnson, Ph.D, D.A.B.T.

Director, Toxicology Portfolio

Army Institute of Public Health

US Army Public Health Command

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Jack

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

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From: Sayles, Gregory
Sent: Thursday, March 20, 2014 12:17 PM
To: Kelly, Jack (R3 Phila.)
Cc: Vandenberg, John; Kavlock, Robert
Subject: Re: 4-MCHM in Air

Jack - ORD folks would like to ask some questions and present some ideas on options. I plan to send a telecon invite for next week. Who should I include fro outside of ORD?

Greg

From: Sayles, Gregory
Sent: Thursday, March 20, 2014 7:44:34 AM
To: Kelly, Jack (R3 Phila.)
Cc: Dinan, Janine; Burns, Francis; Ioven, Dawn; Werner, Lora; Vandenberg, John; Kavlock, Robert
Subject: Re: 4-MCHM in Air

Jack et al - our risk experts in ORD are wrestling with your request. We will likely ask for an informal conference call with you next week to bounce some ideas off you and to get some clarification from you. I will be in touch.

Thanks,
Greg

From: Kelly, Jack (R3 Phila.)
Sent: Tuesday, March 18, 2014 9:48:16 AM
To: Sayles, Gregory
Cc: Dinan, Janine; Burns, Francis; Ioven, Dawn; Werner, Lora
Subject: FW: 4-MCHM in Air

Greg,

Sorry. Too quick on the draw the first time.....

Can you tell me the status of a response to this request?

Thanks...

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

215-514-6792 (cell)

215-814-3112 (office)

From: Kelly, Jack (R3 Phila.)
Sent: Tuesday, March 18, 2014 9:46 AM
To: Sayles, Gregory
Cc: Dinan, Janine; Dawn Ioven
Subject: RE: 4-MCHM in Air

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

215-514-6792 (cell)

215-814-3112 (office)

From: Sayles, Gregory
Sent: Wednesday, March 12, 2014 4:56 PM
To: Dinan, Janine
Cc: Kelly, Jack (R3 Phila.); Ioven, Dawn
Subject: RE: 4-MCHM in Air

Diane - I got this note and your voicemail. I am with ORD and you have reached out to the right person to get assistance. One of my roles as the (Acting) Director of ORD's National Homeland Security Research Center is to coordinate technical support activities that come to ORD during environmental emergencies.

I will touch base with our risk folks and get back to ASAP on what we might be able to do on this topic.

Thanks,

Greg

Gregory Sayles, Ph.D.

Acting Director, National Homeland Security Research Center

U.S. EPA Office of Research and Development

Cincinnati, OH 45268

Tel. 513.569.7607

www.epa.gov/nhsr

From: Dinan, Janine
Sent: Wednesday, March 12, 2014 4:11 PM
To: Sayles, Gregory
Cc: Kelly, Jack (R3 Phila.); Ioven, Dawn
Subject: 4-MCHM in Air

Dr. Sayles,

I work for OSWER's Office of Emergency Management (OEM) in HQ and was referred to you by Vince Cogliano. As part of the ongoing response to the Freedom Enterprises Spill in WV, Jack Kelly, in Region 3, contacted Vince to request ORD's expertise in developing a health-based screening value for 4-MCHM in air (included below):

"From: Kelly, Jack (R3 Phila.)

Sent: Monday, March 10, 2014 1:12 PM

To: Cogliano, Vincent

Cc: Ioven, Dawn

Subject: Help for developing an inhalation screening value for the compound 4-MCHM

Hello Jim,

I obtained your name from Dawn Ioven, Superfund toxicologist for EPA Region 3.

I am an On Scene Coordinator in Region 3. Lately, I have been working on a few issues involving the Freedom Enterprises chemical spill in Charleston, WV. No doubt you have heard of this incident.

You may know that CDC/ATSDR came up with an ingestion screening value for the compound 4-MCHM. See link:

<http://emergency.cdc.gov/chemical/MCHM/westvirginia2014/mchm.asp>

Also see: <http://www.dhsem.wv.gov/Pages/WV-American-Water-Emergency.aspx>
<<http://www.dhsem.wv.gov/Pages/WV-American-Water-Emergency.aspx>>
<<http://www.dhsem.wv.gov/Pages/WV-American-Water-Emergency.aspx>>

Several weeks ago, the West Virginia DEP asked if EPA could provide air sampling and analysis support at the site of the spill and potentially in schools. At the time, several schools were evacuated due to strong odors perceived by building occupants. Although these indoor air incidents seem to have ceased, there is good reason to believe that the 4-MCHM odor will be detected when tank demolition and soil excavation likely commence in the near future. Recently, several water field blank samples collected at the site were found to contain low levels of 4-MCHM suggesting the chemical may have contaminated the samples through air exposure.

Our Environmental Response Team in Edison, NJ (EPA ERT) has developed an air analytical method for 4-MCHM and is planning to initiate a field sampling event to test the method and develop a sampling SOP. The sampling event would take place at the immediate site of the spill where ground disturbance routinely results in awareness of the chemical odor. The sampling plan has resulted in concerns by some at EPA as we do not have an air screening value for the chemical. As you will see from the CDC/ATSDR

website, toxicological information on the chemical is limited (we do have the proprietary studies from the chemical manufacturer).

Our Region was hoping you could assist with the development of a preliminary screening value.....or.....identify a program at EPA best suited for this work. Unfortunately, the time frame is weeks rather than months or years."

Ex. 5 - Deliberative

Given your work with the Interagency group in developing a health-based comparison value for drinking water, do you feel that experts in your group at ORD/Cincinnati could draft a preliminary health-based screening value for air?

I appreciate your feedback on this issue and for any assistance you and your group can provide.

Sincerely,

Janine Dinan

OEM

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